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the *Publications* A. S. P., Vol. II (1890), page 296; Vol. III (1891), page 358, and in other places.

Fourth.—Dr. BARNARD next considers the transparency of the limb of *Jupiter* with reference to the question whether the light of a satellite undergoing occultation can be seen through the planet's atmosphere, and says "I think it is high time that astronomers reject the idea that the satellites of *Jupiter* can be seen through his limb" since under good conditions, with the 36-inch telescope, "the limb of *Jupiter* has appeared perfectly opaque, as in all my previous observations with smaller telescopes."

It is quite possible that the limb of *Jupiter* is really opaque to the light of satellites or stars, but it does not always appear to be so. Dr. BARNARD has himself described the appearance of a star at occultation shining through the atmosphere of the planet (see *Astronomical Journal*, Vol. VIII, page 64), though the observation had probably escaped his memory when he wrote the sentence just quoted. It is conceivable that the observations of satellites which he criticises were due to the same causes which affected his own observations of the star in question. At any rate his words "the star was last seen with three-quarters of its disc within the limb" of *Jupiter*, show that good observers have sometimes recorded appearances of the kind.

These few points from recent papers show very forcibly that everything is not yet settled with respect to *Jupiter's* satellite system, and may serve to direct the attention of the possessors of large telescopes to some of the problems involved.

April 10, 1894. E. S. H.

ERRATUM IN *PUBLICATIONS*, NO. 32.

In *Publications*, No. 32, Vol. V., 1893, page 204, the name of the discoverers of Comet *b*, 1893, should have been printed in the order of discovery, thus, SPERRA, ROSO DE LUNA, {MILLER, JOHNSON,} RORDAME, QUÉNISSET, instead of in the order in which notices of their discoveries came to the knowledge of the Committee on the Comet-Medal. THE COMMITTEE.

VISITOR TO THE LICK OBSERVATORY.

Hon. BENJAMIN HARRISON, lately President of the United States, and now Lecturer on Constitutional Law at the STANFORD University, visited the Observatory on April 12 and 13.